

ROMANIA

DRAGHICIU, O., MD; TRIFU, T., MD; MARGINEANU, V., MD; DAMIAN, P., MD;
POP, E., MD; VIDICAN, M., MD; DRAGHICIU, Gliceria, MD; BABAU, I., MD.

Section for Internal Diseases of the Unified Hospital in Beius
(Sectia de boli interne a Spitalului unificat Beius) / Crisana
Regiune - (for all)

Bucharest, Viata Medicala, No 11, 1 Jun 63, pp 757-760

"Contributions to the Problem of the Painful Shoulder in Cases of
Workers in Sawmills." (Paper presented at the Fifth Orthopedics
and Traumatology Conference held in Oradea on 16 July 1960.)

MARGINEANU, V.

Some methods of computing and determining the practical efficiency of the purse seine in dolphin fishing. p. 20.

REVISTA INDUSTRIEI ALIMENTARE. PRODUSE ANIMALE. (Ministerul Industriei Bunurilor de Consum) Bucuresti, Rumania. Vol. 6, no. 12, 1958.

Monthly list of East European Accessions (EEAI) ^{Uncl. 8} LC/no. 8, Aug. 1959.

Uncl.

DRAGHICI, O.; DRAGHICI, Glicheria; MARGINEANU, V.

Contributions to the clinics of strongyloidosis. Rumanian M Rev. no.3:
19-23 '61.

(STRONGYLOIDIASIS case reports)

ROMANIA/Chemical Technology. Chemical Products and Their
Application. Safety and Sanitation.

H-6

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5198.

Author : Draghiciu O.; Pop E.; Margineanu V.; Cotarca N.; Santoni T.;
Andor Gh.; Draghiciu G.; Hluhanuc A.; Vidican M.

Inst :
Title : Clinical Laboratory Observations of Intoxication of Phyto-
sanitation Workers in Beius Region with Dinitrocresol.

Orig Pub: Viata med., 1958, 5, No 4, 325-334.

Abstract: No abstract.

Card : 1/1

DRAGHICIU, O.; POP, E.; GRAGHICIU, G.I.; ANDOR, G.; MARGINEANU, V.; COTARCA, N.;
SANTOAL, T.

Chronic dinitro-ortho-cresol intoxication in phytosanitary workers.
Rumanian M. Rev. 2 no.2:21-25 Apr-June 58.

(INSECTICIDES, pois.

dinitro-o-cresol, in phytosanitary workers, review)

(FUNGICIDES, pois.

same)

(OCCUPATIONAL DISEASES

dinitro-o-cresol pois. in phytosanitary workers, review)

POP, O., conf.; VILCEANU, M., dr.; MARGINEANU, T., dr.;

Epidemiological study of whooping cough in an urban center.
Microbiologia (Bucur) 6 no. 1:77-85 Ja-F '62.

1. Laboratorul de epidemiologie al Institutului de medicina din Timisoara si Sanepidul regional Timisoara.

*

MARGINEANU, T (Dr.)

~~TEODORESCU, Gh (Dr.)~~

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Microbiologia, Parazitologia, Epidemiologia, Vol VI,
No 5, Sep-Oct 1961, pp 425-430.

Data: "On the Regional Epidemiology of Tetanus."

Authors:

BACILA, E., -Dr.-
CIOCIRLIE, C., -Dr.-
IAVO ROVSCI, V., -Dr.-
TEODORESCU, Gh., -Dr.-
MARGINEANU, T., -Dr.-

MARCIANEANU, S

MARCIANEANU, S.
~~SOURCE, Given Names~~

Country: Rumania

Academic Degrees: [not given]

Affiliation: [not given]

Source: Timisoara, Timisoara Medicina, No 2, Jul-Dec 60, pp 13-20.

Date: "Irradiation Diseases. Physical and Physico-Pathological Bases."

Co-author:

MARCIANEANU, S. [degree and affiliation not given]

END PAGE

MIHALCA, E., conf.; MARGINEANU, O.; BUTNARU, J.; GROSU ROMAN, M.

Some problems of clinical treatment and pathology of children's staphylococcal infections. Microbiologia (Bucur) 6 no.1:26 Ja-F '61.

Some problems in the pathogeny and clinical treatment of children's staphylococcal infections. Ibid.:29

1. Clinica a II-a de pediatrie, Cluj.

*

IANCU, A., prof.; MIHALCA, E., conf.; MARGINEAU, Q.; CHISER, A.

Clinical and therapeutic aspects of staphylococcal infections in children's clinics. Microbiologia (Bucur) 6 no.1:23 Ja-F '61.

1. Clinica de pediatrie, Cluj.

MIHALCA, E., assist. prof.; MARGINEANU, O.; GROSU, M.; VODCAILO, L.;
STEIN, S.; ROSENFELD, C.

Considerations in connexion with dyspepsia due to colon bacilli.
Rumanian M Rev. no.3:37-41 '61.
(DYSPEPSIA etiology)
(ESCHERICHIA COLI INFECTIONS case reports)

ZOSIN, P.dr.; MARGINEANU, N.dr.; SCHWARTZKOPF, A., dr.; SAFTA, M.dr.;
DUMITRU, M., dr.

Syndrome of malignant hypertension die to the Goldblatt
mechanism. Med. intern. 16 no.3:333-337 Mr'64.

1. Lucrare efectuata in Clinica I medicala, I.M.Timisoara.

*

MARGINEANU, N., dr.

The radiological aspect of aspiration pneumonia in tracheotomized
patients. Med. intern. 5 no.3:341-343 Mr '63.
(TRACHEOTOMY) (PNEUMONIA) (RADIOGRAPHY)

MARGINEANU, N.

ROMANIA

MARGINEANU, N. MD.

Institute of Medicine, Timisoara, Radiology Clinic (Institutul de medicina, Timisoara, Clinica de radiologie); Chief of Research: Dr N. Margineanu.

Bucharest, Viata Medicala, No 5, 1 Mar 63, pp 301-312.

"Protection against Ionizing Radiations in Radiodiagnosis."

(1)

GIRBEA, St., prof.; SALAMON, E.; BODEA, I.; MARGINEANU, N.

Radiotherapy in tubal deafness. Rumanian M Rev. no.4:69-71 O-D '60.
(DEAFNESS radiotherapy) (EUSTACHIAN TUBE diseases)
(SINUSITIS complications) (RHINOPHARYNX diseases)

MARGINEANU, N.

~~SURNAME~~, Given Names

Country: Rumania

Academic Degrees: [not given]

Affiliation: [not given]

Source: Timisoara, Timisoara Medicala, No 2, Jul-Dec 60, pp 13-20.

Data: "Irradiation Diseases. Physical and Physico-Pathological Bases."

Co-author:

MARGINEANU, S. [degree and affiliation not given]

GPO 981643

MARGINEANU, M.

RUMANIA/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91608

Author : Serbanescu, N., Margineanu, M., Boldea, Elena, Militescu, Lidia.

Inst : Communist Academy of the Rumanian People's Republic

Title : The Influence of Preceding Crops on the Productivity and Quality of Winter Wheat on the Brown-Reddish Forest Soil of Bucharest Region.

Orig Pub : Comm. Acad. RFR, 1957, 7, No 12, 1059-1064.

Abstract : Data from 1955-1956 of the Moara Domnaske Agricultural Experimental Base. The highest yield was obtained after 2 - 3 years sowing of perennial grass. The lowest - after corn. No noticeable difference was observed in the quality of the wheat.

Card 1/1

- 21 -

NESTORESCO, N.; VLADOIANU, I.R.; DIMACHE, Gh. CHIRESCO, N.; BUZDUGAN, I.;
IANOPOL, Ligia; CARPIUC, V.; MARGINEANU, L.; SABIE, T.; BRATU, E.
BUSNEANU, Lidia.

Research on the efficacy of a typho-paratyphoid A and B vaccine
administered orally in the form of dragees. Arch. roum. path.
exp. microbiol. 23 no.3:523-530 S'63.

1. Institut "Dr. I. Cantacuzino", Service des Enterobacteriacees,
Laboratoire du vaccin TAB, Bucarest (for Nestoresco, Vladoianu,
Dimache, Chiresco). 2. Centre sanitaire antiepidemique de
Suceava (for Buzdugan, Ianopol, Carpiuc, Margineanu, Sabie,
Bratu, Busneanu).

MARGINEANU, L.

Table for the determination of diameters corresponding to sections of logs of wood counted as limits for certain defects. p. 469.
(INDUSTRIA LEMNULUI. RUMANIA. Vol. 5, no. 11, Nov. 1956.)

SO: Monthly List of East European Accessions (BEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

MARGINEANU, I.; STAN, L.

Mechanical characteristics of thermally treated tooth tips of frame saw blades.
p. 92.

INDUSTRIA LEMNULUI. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din
Romania si Ministerul Industrii Lemnului. Bucuresti, Romania. Vol. 8, no. 3,
Mar. 1959.

Monthly List of East European Accessions (CENI) IC, Vol. 8, no. 2, July 1959.

Uncl.

MARGINEANU, Gh., ing.

Influence of some parameters on the construction and operation of direct current electric engines for railroad traction. Rev cailor fer 10 no.11:590-592,595 N '62.

1. Depoul de automotoare electrice Arad-Podgoria.

MARGINEANU, Gh., ing.

Influence of some parameters on the construction and operation of direct current electric engines for railway traction. Rev caiilor fer 10 no.10:531-534 0 '62.

1. Depoul de automotoare electrice Arad-Podgoria.

MARGINEAMU Gh.
~~MARGINEAMU~~, GH.

New trends in the future electrification of railroads. p. 73

REVISTA CALOR FERATE. (Cale Ferate Romine) Bucuresti, Rumania; Vol. 7, no. 2,
Feb. 1959

Monthly List of East European Accessions (LHA1) LC Vol. 3, no. 3, Sept. 1951

Incl.

NISTOR, Dumitru, ing.; BORSI, Adalbert, ing.; BOLOGAN, V., ing.;
MARGINEANU, E., ing. sef; POCOL, Alexandru; SOLOMON, Tr., ing. sef;
SIMEDREA, T., ing.; JENEI, D., ing. sef

Problems of increasing labor productivity in the mechanical
engineering industry. Probleme econ 16 no.12:149-151 D '63.

1. Director, Uzina Unio--Satu Mare (for Nistor). 2. Sef serv. org.
productiei, Uzina Unio--Satu Mare (for Borsi). 3. Director, Uzina
Infratirea-Oradea (for Bologan). 4. Uzina Infratirea-Oradea (for
Margineanu). 5. Director, Uzina Balanta-Sibiu (for Pocol).
6. Uzina Balanta-Sibiu (for Solomon). 7. Director, I.S.Tehnofrig-
Cluj (for Simedrea). 8. I.S.Tehnofrig-Cluj (for Jenei).

MARGINEANU, C.

Some data on foraminifers of the phaseolinoid facies along the Rumanian shore of the Black Sea. p. 55.

HIDROBIOLOGIA. (Academia Republici Populare Romine. Comisie de Hidrologie, Hidrobiologie se Intiologie) Bucuresti, Rumania. Vol. 1, 1958.

Monthly list of East Eurpean Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

MARGINEANU, C.; Macarovici, N.; Cehan-Ionesi, B.

Distribution of foraminifers upon the northwestern continental platform of the Black Sea. Note I. p. 33

HIDROBIOLOGIA. (Academia Republicii Populare Romine. Comisie de Hidrologie, Hidrobiologie si Intiologie) Bucuresti, Rumania. Vol. 1, 1958

Monthly list of East European Accessions (EEAI) IC, Vol. 8, no. 8, Aug. 1959

Uncl.

EXCERPTA MEDICA Sec 4 Vol 12/11 Med. Micro. Nov 59

3678. INVESTIGATIONS ON THE POSSIBLE CONTAMINATION OF SURFACE
WATERS BY PATHOGENOUS LEPTOSPIRAE - Cercetări privind posibili-
tățile de contaminare a apelor de suprafață cu leptospire patogene -
Mărgineanu C. and Ciurdăreanu S. Sect. de Ig. Comunală, Inst.
de Ig. R.P.R., Cluj - IGIENA (București) 1958, 7/4 (357-366) Tables 2
Pathogenous leptospirae were serologically detected in 3.5% of guinea-pigs treat-
ed by the bath test, with 78 samples of 11 residual waters from animal farms. In
the beginning, the sera reacted with several serotypes, but after 70 days antibodies
were specific for *L. pomona*. Pop - Bucharest (IV, 17)

MAIER, N., Dr.; LENGHEL, L., dr.; MARGINEANU, C., dr.; PETREANU, R., dr.;
FANEA, E., dr.; CIUPE, M., dr.

Epidemiological and immunological role of natural sources of
water in conditions of specific contamination. Rev. igiena
microb. epidem., Bucur. Vol.3:19-35 July-Sept 55.

1. Lucrare executata in Institutul de Igiena, filiala Cluj si
Filiala Cluj a Inst Dr. I Cantacuzino.

(WATER SUPPLY

contamination by sewage & waste from indust. plants
causing epidemics of dysentery, typhoid & paratyphoid
fever, in Rumania.

(SEWAGE

contamination of river water supply causing epidemics
of dysentery, typhoid & paratyphoid fever, in Rumania.

(TYPHOID FEVER, epidemiol.

transm. by contamination of water supply by sewage,
epidemiol. & immunol. study in Rumania.

(PARATYPHOID FEVERS, epidemiol.

(SAME)

(DYSENTERY

caused by contamination of water supply by sewage,
epidemiol. & immunol. study in Rumania.

MARGIEWICZ, A.

Organization and supply of medical corps in combat. Lek.wojsk.,
Warszawa 26 no.1:8-20 Ja '50. CHML 19:2)

MARGIDAN, D.

"The Importance of Various Types of Seed Bushes in the Selection and Seed Growing of Carrots." Cand Biol Sci, Moscow Order of Lenin Agricultural Acad imeni K. A. Timiryazeva, Moscow, 1955. (KL, No 9, Feb 55)

SO: Sum. No 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

MARGIC, S.

Milling cutters for hard metals. p. 241. Vol. 11, No. 2,
1956. TEHNIKA. Beograd, Yugoslavia.

SOURCE: East European Accessions List, (EEAL) Library
of Congress, Vol. 5, No. 8, August, 1956.

MARGIC, S.

Milling machine for hard metals. p. 240. Vol. 11, No. 2,
1956. TEHNIKA. Beograd, Yugoslavia.

SOURCE: East European Accessions List, (EEAL) Library
of Congress, Vol. 5, No. 8, August, 1956.

MARGIC, S.

Color for work premises and machines. p.1773. TEHNIKA. Beograd.
Vol. 10, no. 12, 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress
Vol. 5, No. 6, June 1956

YUGOSLAVIA/Chemical Technology - Processing of Natural Gases H-23
and Petroleum. Motor and Rocket Fuels. Lubricants.

Abs Jour : Ref Zhur - Khimiya, No 24, 1958, 83065

Author : Margic.

Inst : -

Title : Cooling Oils.

Orig Pub : Nafta (Zagreb), 1955, 6, No 12, 411-413.

Abstract : The application of oil emulsions is examined in regard to
the drilling and cutting of metals.

Card 1/1

MARGIC, Slavko (Eng.)

"Lubrication of machine tools"

SO:BRODOGRADNJA, No. 1, Zagreb, January-February 1954

MARCHOLD, F.

"Problem of backfilling in the North Bohemian Brown-Coal Mines."
Uhli, Praha, Vol 4, No 7, July 1954, p. 206

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

L 62745-65 EWI(m)/EPA(w)-2/EWA(m)-2 Pt-7 IJP(c) 24
 ACCESSION NR: AP5021318 RU/0011/64/008/006/0256/0270 B
 AUTHOR: Teodorescu, I. (Engineer); Marghitu, S. (Engineer); Luchian, I. (Engineer)
 TITLE: Low-energy accelerators for producing fast neutrons
 SOURCE: Automatica si electronica, v. 8, no. 6, 1964, 256-270
 TOPIC TAGS: fast neutron, low energy accelerator
 ABSTRACT: A review article summarizing the operating principles of neutron generators using low-energy accelerators and their uses. Particular attention is paid to those types which are used in industry or research, or which are expected to find such uses in the near future. Orig. art. has 15 figures, 18 graphs, and 6 tables.
 ASSOCIATION: none
 SUBMITTED: 00 ENCL: 00 SUB CODE: NP
 NO REF SOV: 014 OTHER: 019 JPRS
 Card 1/1

TEODORESCU, I., ing.; MARGHITU, S., ing.; LUCHIAN, I., ing.

Low-energy accelerators for producing rapid neutrons. Automatica
electronica 8 no.6:256-270 N-D '64.

BIAND, I.; MAROHIDAN, N.

Work mechanization in stockbreeding. Probleme econ 18 no.5:73-
86 My '65.

MARGHIDAN, N.; BIANU, I.

Economic efficiency of the new technology in agriculture
mechanization. Probleme econ 16 no.7:49-63 J1 '63.

L 2043-66 EWP(t)/EWP(b) JD

ACCESSION NR: AP5027061

RU/0017/65/000/004/0184/0188

AUTHOR: Schonberger, F. (Engineer); Marghescu, H. (Engineer)

TITLE: Improvements in the manufacturing technology of ingot moulds

SOURCE: Metallurgia, no. 4, 1965, 184-188

TOPIC TAGS: metal casting, metallurgic process

Abstract [Authors' English summary modified]: A report on improvements in the manufacturing technology for ingot molds at the Victoria Works which resulted in the reduction of waste and a considerably increased durability of the molds. The measures described include desulphurization in the ladle with 0.6 percent soda, modification of the cupolas for the preparation of cast iron, a new recipe for refractory dyes, and the addition of a slag collector to the casting network. Orig. art. has 4 figures, 3 formulas, and 5 graphs.

ASSOCIATION: Usinele "Victoria", Calan (Victoria Works)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 003

JPES

Card 1/1

L 15926-66 EWP(s)/EWP(t) JD

ACC NR: AP6008369

SOURCE CODE: RU/0017/65/000/002/0076/0080

AUTHOR: Schonberger, F. (Engineer); Marghescu, M. (Engineer)

ORG: "Victoria" Works, Calan (Uzinele "Victoria")

27
B

TITLE: Some considerations concerning the durability of ingot molds manufactured at the "Victoria" Works of Calan

SOURCE: Metalurgia, no. 2, 1965, 76-80

TOPIC TAGS: pig iron, metal casting, chemical composition, durability, metallurgic machinery

ABSTRACT: An analysis of the manufacture and conditions of use of ingot molds leads to the establishment of some relations between chemical composition and durability of pig iron. The analysis was based on the construction and reasons for discarding of ingot molds of various types manufactured by the Victoria Works of Calan and used by the Hunedoara and Resita Siderurgical Combines. Orig. art. has: 7 figures and 3 tables. [JPRS]

SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 001

SCHONBERGER, F., ing.; MARGHESCU, M., ing.

Considerations on the durability of ingot molds manufactured
at the "Victoria"-Galan Works. Metalurgia Rum 17 no.2:76-80
F '65.

1. "Victoria"-Galan Works.

MARGEYEV, S.

A permanent repair center is established. Zhil.-kom.khoz. 7
no.8:10 '57. (MIRA 10:10)

1. Nachal'nik Perovskoy remontno-stroitel'noy kontory.
(Building--Repair and reconstruction)

MARGEVICH, YA I.

MATVEYEV, L.M., inzhener; MARGEVICH, Ya.I., inzhener; GORBUTOVICH, G.D.,
inzhener; TAT I, N.A., inzhener.

Making peat plots with raised surfaces for winning milled peat.
Torf.prom. 34 no.1:7-12 '57. (MLRA 10:2)

1. Gor'kovskiy torfotrest (for Matveyev).
 2. Kerzhenetskoye torfopredpriyatiye (for Margevich).
 3. Torfopredpriyatiye Naziya (for Gorbutoyich).
 4. Torfopredpriyatiye Tesovo-2 (for Tatum).
- (Peat industry)

MATVEYEV, L.M., inzhener; MARGEVICH, Ya.I., inzhener.

Cutting drums with chain drive. Torf.prom. 31 no.5:9-10 '54.
(MLBA 7:8)

1. Gor'kovskiy torfotrest (for Matveyev) 2. Pikinskoye torfopred-
priyatiye (for Margevich).
(Peat machinery)

E 63422-65

ACCESSION NR: AP5023249

RU/0012/64/000/005/0821/0823

AUTHOR: Negrutiu, O. (Doctor, Lieutenant Colonel); Margescu, V. (Doctor, Lieutenant Colonel); Neamtu, I. (Doctor)

4
B

TITLE: A case of Masson Glomic tumor

SOURCE: Revista sanitară militară, no. 5, 1964, 821-823

TOPIC TAGS: tumor, surgery

ABSTRACT: The authors present and discuss the case of a Masson glomic tumor on the fourth finger of the left hand of a 29-year old woman, which was successfully identified and removed by surgery. The condition is also known as a neuromyo-arterial glomus.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NR REF SOV: 000

OTHER: 005

JPRS

K
1/1

MARGETIC, Branko

Interview with Viktor Tomlinovic, associate of the Astronomical
Observatory of Popov Toranj. Zemlja i svemir 6 no.4:76-78 '63.

BIRTA, Emeric, prof. (Brasov); BUSE, Limbovia, prof. (Craiova); GOERGESCU,
Elena, prof. (Brasov); MARGESCU, Constantin, prof. (Lehliu)

Geographical games. Natura Geografie 17 no.1:71-74 Ja-F '65.

LUNCAN, R., prof. (Bucuresti); MARGESCU, C., prof. (Lehliu-Gara, Ragiunea
Bucuresti)

Necessary apparatus in teaching geography, constructed by local
means. Natura Geografie 15 no.4:60-65 Jl-Ag '63.

VLADIMIRSKIY, V.V.; KOBOZEV, A.S.; MARGENKO, S.V.; PEVNEV, A.K.;
PORUBAY, N.I.; TARASOV, Ye.K.

Effect of deformations in the foundation on the proton orbits
in a synchrotron. Priб. i tekhn. eksp. 7 no.4:66-69 J1-Ag '62.
(MIRA 16:4)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosu-
darstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.
(Synchrotron)

GAZAZYAN, E.D.; MARGEL'YAN, O.S.

Transient radiation in gyrotropic dielectrics. Izv. AN Arm. SSR.
Ser. fiz.-mat. nauk 17 no. 3: 87-91 '64. (MIRA 17:9)

1. Tsentral'naya nauchno-issledovatel'skaya fiziko-tekhnicheskaya
laboratoriya AN Armyanskoy SSR.

L 34340-66 EWT(1) SCTB DD

ACC NR: AN6010453

(N)

SOURCE CODE: UR/9008/66/000/080/0007/0007

AUTHOR: Margelov, V. (Hero of Soviet Union, Colonel general, Commander of airborne troops)

37
e

ORG: none

TITLE: A half million parachute jumps

SOURCE: Krasnaya zvezda, 06 Apr66, p. 7, col. 1-6

TOPIC TAGS: airborne troop parachute, cargo parachute, transport aircraft, military operation, military personnel, military training

ABSTRACT: The article deals with parachute jumps performed by Soviet airborne troops and with military transport aviation. In 1965 and the first months of 1966, a half-million parachute jumps were made. Sport parachuting has been encouraged, and 26 world records in stratospheric parachuting were set by parachutists from Soviet airborne troops in 1965. Much attention is also being given to training airborne troops in night combat operations, and their skill is seen to be increasing. At the same time, improvements are being made in military transport aviation; present resources allow aerial transport of troops and combat material, including tanks and missiles, to any transport area. Military transport airplanes have high flight speeds, a large flight radius, and large cargo capacity. A photograph of a reconnaissance jump during a tactical training exercise illustrates the article. Orig. art. has: [NT]

SUB CODE: 15/ SUBM DATE: none

Card 1/1

366

MARGOL, A., General-polkovnik, Geny Sovetskogo Soyuz

armed infantry. Kryl. pod. 16 no. 812-3 Ag 165.

(MIRA 1818)

1. Komanduyushchiy Vozdushno-desantnymi voyskami Sovetskoy
Armii.

MARGELOV, V., general-polkovnik

Persistently perfect the field training of airborne troops. Комм.
Vooruzh. Sil 46 no.13:26-30 J1 '65. (MIRA 18:7)

1. Komanduyushchiy vozdushnodesantnymi voyskami.

MARGELOV, V., general-polkovnik

Urgent tasks of landing force soldiers. Komm. Vozdruzh.
Sil 4 no. 13:22-24 J1 '64. (MIRA 17:7)

1. Komanduyushchiy vozdushnodesantnymi voyskami.

NESTEROVICH, N.D. [Nestsjarovich, M.D.]; MARGAYLIK, G.I. [Marhailik, H.I.]

Relation of woody plants to light. Vests: AN BSSR. Ser.
bifal. nav. no.3:15-20 '65. (MIRA 18:11)

MARGAYLIK, G.I.

Methods for the selection of tree leaves for comparative morphological, anatomical, and physiological research. Bot. zhur. 50 no.1: 89-90 Ja '65. (MIRA 18:3)

1. Institut eksperimental'noy botaniki i mikrobiologii AN BSSR, Minsk.

MARGAYLIK, O.I.

Morphological and physiological characteristics of silver birch *Betula verrucosa* leaves under various environmental conditions. Bot.; issl. Bel. otd. VBO no.6:250-252 '64. (MIRA 18:7)

MARGAYLIK, G.I. [Marhailik, H.I.]

Effect of light balance on the differentiation of forest canopy.
Vestsi AN BSSR. Ser. biial. nav. no.2:16-22 '64.

(MIRA 17:11)

MARGAYLIK, G.I. [Marhailik, H.I.]

Anatomic characteristics of leaves as an indicator of the
photophily of plants. Vestsi AN BSSR. Ser. biial. nav. no.4:
19-27 '63. (MIRA 17:8)

MARGAYLIK, G.I. [Marhailik, H.I.]

Chlorophyll content of the needles of Scotch pine as related to the various levels of the crown the developmental stage of the trees and the growth conditions. Vestsi AN BSSR Ser. biol. nav. no.1:25-28 '62.
(MIFA 17:9)

MARGAYLIK, G.I., inzh.-lasevod (g.Minsk)

In the green work shops of White Russia. Nauka i zhizn' 28
no.6:32-33 Je '61. (MIRA 14:7)
(White Russia—Forests and forestry)

MARGAYLIK, G., nauchnyy sotrudnik

Luminescence of tree seeds. Nauka i zhizn' 28 no.1:76-77 Ja '61.
(MIRA 14:1)

1. AN BSSR, Minsk.

(White Russia—Afforestation)

(Seeds —Analysis)

NESTEROVICH, N.D.; MARGAYLIK, G.I.

Seasonal dynamics of chlorophyll accumulation by the leaves of
some trees. Sbor. nauch. rab. Bel. otd. VEO no.3:213-217 '61.
(MIRA 14:12)

(Chlorophyll)
(Trees--Physiology)

NESTEROVICH, N.D.; MARGAYLIK, G.I.

Chlorophyll accumulation in needles and leaves of some tree
species as related to the age, grade, and density of stands.
Sbor. nauch. rab. Bel. otd. VBO no.3:95-98 '61. (MIRA 14:12)
(Chlorophyll)
(Trees—Physiology)

NESTEROVICH, N.D., akademik; IVANOV, A.F.; IVANOVA, Ye.V.; MARGAYLIK, G.I.;
PONOMAREVA, A.V.; SIROTKINA, R.G.; SMIRNOVA, V.A.; SMOL'SKAYA, Ye. N.;
CHEKALINSKAYA, N.I.; BULAT, O., red. izd-va; SIDERKO, H., tekhn. red.

[Trees and shrubbery introduced to the White Russian S.S.R.] Introdutsirovannye derev'ia i kustarniki v Belorusskoi SSR. Minsk. No.3. [Introduced woody plants of Siberia, Europe, the Mediterranean, the Crimea, the Caucasus, and Central Asia] Introdutsirovannye drevesnye rasteniia flory Sibiri, Evropy, Sredizemnomor'ia, Kryma, Kavkaza i Srednei Azii. 1961. 333 p. (MIRA 14:6)

1. Akademiya nauk BSSR, Minsk. Institut biologii. 2. Akademiya nauk BSSR (for Nesterovich)
(White Russia--Plant introduction)

MARGATSKIY, I.F., kand.tekhn.nauk

Selecting cement mortar composition with hydrophobic-plasticizing additives. Transp.stroi. 9 no.3:50-52 Mr '59. (MIRA 12:4)
(Mortar)

Improvement of Betanaphthol Production

SCV/64-59-5-23/26

heating of sodium sulphite solution, the dosing of naphthalene and of sulphuric acid monohydrate and of the sodium sulphate into the measuring tanks as well as the stabilization of temperature of the reaction mass in the apparatus for sulfuration were converted to automatic operation.

Card 2/2

5(1)

AUTHORS:

Margasyuk, P. F., Bovin, V. N., Belostotskiy, M. D.

SO7/64-59-5-23/28

TITLE:

Improvement of Betanaphthol Production

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 5, p 447 (USSR)

ABSTRACT:

Several measures for the improvement of working conditions and for the partial automation of various phases in technological procedure were adopted for the rebuilding of the betanaphthol plant, according to suggestions made by a group of workers in Dorkhimzavod imeni Frunze (Dorkhim-plant imeni Frunze). For example, naphthalene is directly taken out of an automatic tipper; in the same way the solvent is fed with sodium sulphate and common salt. The aqueous naphthalene suspension is pumped into reservoirs at 60°, from where it flows off spontaneously into the semiautomatic horizontal centrifuge (furnished with scrapers for the sediments). The naphthalene paste passes into a heated closed apparatus, and the molten naphthalene is transported by compressed air into the measuring tank. The customary exit of naphthalene vapors into the operating rooms was avoided by a naphthalene regeneration. The sintering of naphthalene, the

Card 1/2

MARGASINSKI, Andrzej, and POMAZANSKA, Teresa, *Prace Instytutu Chemii*
1962, no. 1, 3, 1962.

Separation of mixtures of phenothiazine derivatives with
the thin-layer chromatographic method. 1. *Acta Pol. Pharm.*
21 no. 1, 3, 1962.

1. Z Zakładu Chemii, Instytutu Chemii, ul. Kasprzaka 44
(Kierownik: dr. Andrzej Margasiński).

MARGASINSKI, L.

✓ Chromatography of alkaloids on filter paper. L. Margasiński, A. Szymańska, and I. Wasilewski (Inst. Leków, Warsaw). Acta Polon. Pharm. 12, 85-94 (1955).—Filter-paper chromatography was used to detect and classify alkaloids in compounded medicines (5-100 γ). Use was made of Whatman filter papers Nos. 1, 40, or 41, a soln. A (25 BuOH:5 AcOH:12 H₂O), soln. B (50 BuOH:10 HCl:19 H₂O), and a modified Dragendorff soln. for the development of the alkaloid on the paper. The D. soln. consisted of Bi nitrate 0.85 g., AcOH 10 ml., H₂O 40 ml., mixed with KI 8 g., and H₂O 20 ml.; 10 ml. of this soln. was then dild. with 5 ml. AcOH and 25 ml. H₂O. The resulting R_f values of the ascending chromatograms were found to be in soln. A: morphine 0.53-0.57, diionine 0.70-0.72, papaverine 0.87, heroine 0.77, cotarnine 0.70, narcotine 0.88, codeine 0.84-0.86, eucodal 0.57; in soln. B: morphine 0.62-0.67, diionine 0.83-0.87, heroine 0.77-0.84, papaverine 0.87-0.95, narcotine 0.84-0.93, dicodide 0.71-0.77, codeine 0.72-0.75, cotarnine 0.71, eucodal 0.68, paracodine 0.71. 35 references. L. J. Piotrowski

MA

(2)

MARGASINSKI, Z

672. Application of micro-crystallographic methods to the detection of certain derivatives of nicotinic acid in medicinal preparations. Z. Margasinski and H. Rafalowska (Zaklad Chem. Inst. Lekow, Warsaw). *Przem. Chem.*, 1955, 11, 709-702. — A micro-crystallographic method based on the complex formation of the amide, diethylamide and hydroxymethylamide of nicotinic acid with certain compounds of copper, mercury and bismuth has been developed for their detection. The complexes have distinctive crystalline forms and are suitable for the differentiation of the above substances. The reagents used are CuSO_4 and NH_4SCN . Mayer's and Dragendorff's reagents. The crystals formed are illustrated. K. P. SPONER

1ST AND 2ND PROCESS										3RD AND 4TH PROCESS									
PROCESSES AND PROPERTIES INDEX										PROCESSES AND PROPERTIES INDEX									
24										12									
Determination of tin in fruit juices. Z. Margawinski and T. Walczewski. <i>Farm. Polska</i> 3, 64-6(1947); <i>Chimie & Industrie</i> 58, 584(1947).—Sn can be detd. in fruit juices by the well-known gravimetric method or by various less accurate but quicker colorimetric methods. The "cacothelline" colorimetric method gives results appreciably lower than the gravimetric method. A. Papineau-Couture.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
REGIONAL INDEX										REGIONAL INDEX									
SUBJECT INDEX										SUBJECT INDEX									

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

1ST AND 4TH ORDERS

COMMON ELEMENTS

OPEN

ASME-STA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

1ST AND 4TH ORDERS

COMMON ELEMENTS

OPEN

12

Types for coloring foods allowed to be used in the Republic of Poland, their properties and methods of test. Ing. Zbigniew Margasiński. Wiedomości Farm. 62, 605-8, 670-82, 695-8, 711-15(1935)(French summary). J. Wiertelak

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
0/9 17 Tobacco smoke. Zbigniew Margasiński: <i>Przemysł Chem.</i> 16, 224-5; 220-1 (1932).—The method of Pyle and Schmitt (<i>C. A.</i> 22, 1214) for the detn. of nicotine in tobacco smoke was somewhat modified. The amt. of nicotine in tobacco smoke depends on its content in tobacco, and on the rate of smoking the cigarette. Moistening of the cigarette with H_2O or a soln. of Fe alum with citric acid (Bonicot) did not change the content of nicotine, pyridine or NH_3 of the smoke. About half of the nicotine in the smoke is removed by a cotton filter. Various methods for removing nicotine from tobacco are discussed. A. C. Zachila																			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
FROM STUDENT										FROM ADVISOR									
SEARCHED HWP QWV GGG										RELATIONSHIP									
SEARCHED #1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20										RELATIONSHIP 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40									

MARGASINSKI, Bogdan, mgr inz.

Calculation of flat trapeze-shaped springs in relay
design. Prace Inst teletechn 8 no.1:49-59 '64.

1. Telephone Equipment Plant T-2, Warsaw.

MARGASINSKI, Leopold

DECEASED
c. '62

1963/
4

Automation
Telemechanics

MARGAS, Jozef

History of the Polish decorative (ornamental) fabrics. Przegl
wlokien 16 no.3:159-163 Mr '62.

MARGARYAN, V.P., inzh.

Solution of salt and aluminum oxide by means of compressed air.
Za indus.Riaz. no.2:56 D '61. (MIRA 16:10)

1. Byuro tekhnicheskoy informatsii Ryazanskogo zavoda iskusstvennogo volokna.

MARGARYAN, R.M., red.

[Standard methods for making hats for women and children
in piece production] Tipovye metody izgotovleniia zhen-
skikh i detskikh golovnykh uborov pri individual'nom po-
shive. Moskva, TSentr. biuro tekhn. informatsii, 1965. 57 p.
(MIRA 18:10)

1. Rostovskaya opytno-tekhnicheskaya laboratoriya golovnykh
uborov i shveyroy galanterei.

Higher Educational Institutions in Soviet Armenia

3-10-3/30

1,127 students. Of its 127 teachers, 77 have scientific grades and ranks. The institute has already graduated 3,000 students.

There are 3 other pedagogical institutes.

In 1945, the Institute of Physical Culture (Institut fizi-cheskoy kul'tury) was founded at Yerevan'. There are 16 chairs, 460 resident students and 246 correspondence students. More than 700 athletes and teachers have been graduated.

The Yerevan State Conservatory imeni Komitas (Yerevan-skaya gosudarstvennaya konservatoriya imeni Komitasa) was founded in 1921, and in 1944/45 the Fine Arts and Theater Institute (Khudozhestvenno-teatral'nyy institut).

On the whole, more than 30,000 qualified specialists have been trained in the Armenian SSR.

ASSOCIATION: TsK KP Armenii (TsK KP of Armenia)

AVAILABLE: Library of Congress

Card 4/4

Higher Educational Institutions in Soviet Armenia

3-10-3/30

architecture while the hydrotechnical faculty investigates the utilization of water and power resources of the Armenian SSR.

The Yerevan Medical Institute (Yerevanskiy meditsinskiy institut) has 1,841 students and a teaching staff of 220, 28 of the latter are doctors and 122 are candidates of sciences. The institute has graduated 3,773 physicians. Famous doctors such as V. Artsruni, G. Areshev, A. Akopyan, A. Kechek, A. Melik-Adamyany, L. Oganesyany have worked at this institute.

The Armenian Institute of Agriculture has now 4 faculties and 1,175 students. About 1,585 additional students are trained by correspondence.

The Yerevan Zoological-Veterinary Institute (Yerevanskiy zoo-veterinarnyy institut), organized in 1928, has now 1,139 students plus 970 in the correspondence section. Of 136 professors and teachers in 32 chairs, 19 are doctors and 75 are candidates of sciences. This institute has graduated 3,339 zootechnicians and veterinarians.

The Armenian Pedagogical Institute imeni Abovyan (Armyanskiy pedagogicheskiy institut imeni Abovyana), created in 1934, has a 5-year training course in 9 specialties, and

Card 3/4

Higher Educational Institutions in Soviet Armenia

3-10-3/30

4,900. Evening and correspondence courses have been expanded. There are 638 students in evening courses and 498 trained by correspondence.

There are 12 other vuzes in the republic, 3 of them correspondence, where 20,000 students are trained.

The Yerevan Polytechnic Institute imeni K. Marx (Yerevanskiy polytekhnicheskiy institut imeni Marksa) was founded in 1930. It has graduated 3,282 specialists. The current faculty comprises 212 teachers, 10 of whom are doctors of sciences and professors, and 105 are candidates of sciences and dotsents. From 1951 - 1956, the teachers published 426 works, and 82 candidate theses and defended 8 dissertations for doctorates. During the last year a group of teachers conducted successful research in the field of ultrasound application to investigations of liquid system structures of multiple components. The results of these investigations were expounded at scientific conferences on the application of ultrasound in engineering, which took place at Moscow in 1954 and 1957. Research is continuing with the collaboration of physical chemists, physicists and experts in the theory of resilience and metallurgy. The chair of architecture of this institute deals with the history and theory of Armenian

Card 2/4

Margaryan, G. Kh.

3-10-3/30

AUTHOR: Margaryan, G. Kh., Secretary of the Armenian TsK KP

TITLE: Higher Educational Institutions in Soviet Armenia (Vysshnye uchebnyye zavedeniya sovetskoy Armenii)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 10, pp 12-16 (USSR)

ABSTRACT: The author describes the development of culture and education in the Armenian SSR, since the Revolution. In 1921, the Yerevan University was founded. At the beginning there were only two faculties and 490 students. Now there are 11 faculties, 48 chairs and 314 teachers and assistants of whom 34 are doctors of sciences and 174 are candidates of sciences. Many famous scientists teach at this university such as academician V. Ambartsyuman, member-correspondent of the USSR Academy of Sciences S. Mergelyan, the academicians and member-correspondents of the Armenian SSR Academy of Sciences A. Shaginyan, M. Dzhrbashyan, A. Ioannisyan, I. Mkryan, G. Sevak, E. Agayan, I. Magakyan and S. Mkrtchyan. During 30 years the Yerevan University has graduated 7,150 specialists - physicists, chemists, mathematicians, biologists, geographers, lawyers, economists, linguists and historians. The student body at present is

Card 1/4

MARGARYAN, A.Ye.

The novel "Hydroelectric Power Center" by Marietta Shaginian.
Uch. zap. Eriv. gos. russ. ped. inst. 5:73-82 '55. (MLBA 9:10)

(Shaginian, Marietta Sergeevna, 1888-)

L 27327-66

ACC NR: AP6008985

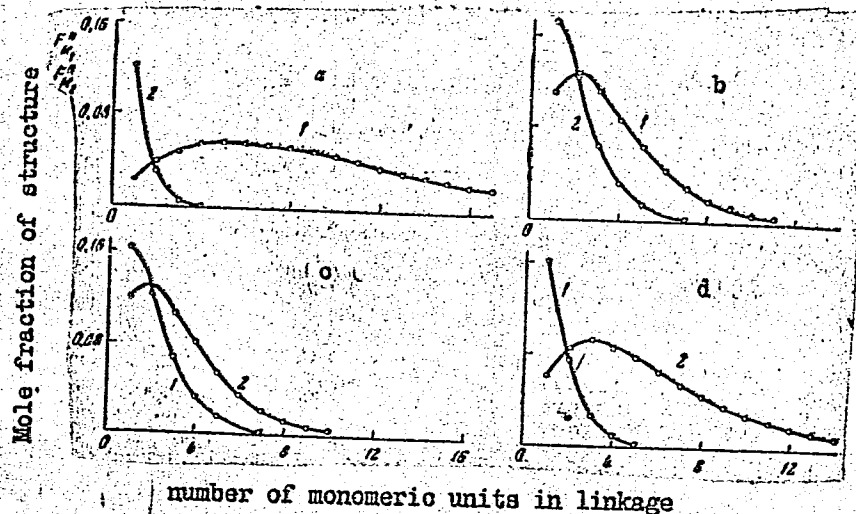


Fig. 1. Distribution of linkages in the copolymer macromolecule for different mole ratios of chloroprene: 2,3-dichlorobutadiene: a - 92.5:7.5; b - 76.5:23.5; c - 58.2:41.8; d - 41.6:58.4; 1 - chloroprene (M_1); 2 - 2,3-dichlorobutadiene-1,3 (M_2).

Orig. art. has: 2 tables and 4 graphs.

SUB CODE: 11/ SUBM DATE: 04Jan65/ ORIG REF: 002/ OTH REF: 002

Card 2/2

L 27327-66 EWT(m)/EWP(j)/T IJP(c) NW/RM
 ACC NR: AP6008985 (A) SOURCE CODE: UR/0190/65/007/011/1993/1996
 AUTHORS: Karapetyan, N. G.; Boshnyakov, I. S.; Margaryan, A. S. 34
 33
 ORG: All-Union Institute for Polymeric Products (Vsesoyuznyy institut polymernykh produktov) B
 TITLE: The relative monomer reactivities of 2-chlorobuta-1,3-diene and 2,3-dichlorobutadiene, and some properties of their copolymers 7
 SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 11, 1965, 1993-1996
 TOPIC TAGS: polymerization, copolymer, chloroprene, butadiene
 ABSTRACT: This investigation was conducted to determine the relative monomer reactivities of 2-chlorobuta-1,3-diene and 2,3-dichlorobutadiene and to study the properties of the copolymers obtained from the copolymerization of the above monomers. The reaction was carried out at 40C, and the initial concentration of the monomers was varied over the ratios from 1:0--0:1. The plasticity, strength, relative elongation, fire-proofing, temperature of brittleness, extent of polymerization, chain structure, and the electrical resistance and dielectric loss of the copolymer were determined as functions of the initial reactants concentration. The experimental results are presented in graphs and tables (see Fig. 1). In view of the high values of the dielectric parameters of the synthesized copolymers, it is suggested that the latter should prove useful as electrical insulators. 2
 Card 1/2 UDC: 66.095.26+678.743

YELICHERA, V.I.; KAMENSKAYA, L.L.; DUBINSKY, L.L.; et al.

Co-polymer latexes of acrylonitrile with styrene. Izv. vuzov. Khim.
no.3:497-504, 1974, 15 refs.

1. Yerevanskiy filial Nauchno-issledovatel'skogo instituta
sinteticheskogo kumchuka.

L 34843-65

ACCESSION NR: AP5008550

SUBMITTED: 06Jul61

ENCL: 00

SUB CODE: MT, GC

NO REF SOV: 000

OTHER: 000

Card 2/2

L 34843-65

ENT(m)/EPE(c)/EPR/ENP(j)/T Pc-4/Pr-4/Ps-4 RPL MM/RM

ACCESSION NR: AP5008550

S/0286/65/000/006/0062/0062

AUTHOR: Karapetyan, N. G.; Boshnyakov, I. S.; Zhamkochyan, S. G.; Margaryan, A. S.; Zhurkova, D. I.; Yemel'yanova, A. P.; Shapovalova, A. I.; Plotnikov, I. V.; Sarkisyan, K. G.

TITLE: A method for producing latexes based on copolymers. Class 39, No. 16950

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 6, 1965, 62

TOPIC TAGS: latex, copolymer, acrylonitrile, methacrylic acid, chloroprene

ABSTRACT: This Author's Certificate introduces a method for producing latexes based on copolymers of chloroprene and methacrylic acid using surface-active agents. The elasticity of the latex is improved by joint polymerization of chloroprene with methacrylic acid in the presence of methylvinylketone, chloro-isoprene or acrylonitrile as additives.

ASSOCIATION: none

Cerd 1/2

L 38635-65

ACCESSION NR: AP5008375

prene units with one methyl unit. Several combinations of chloroprene and methyl methacrylate produce copolymers that represent good material for producing films. These are stable, have high dispersion, and are very resistant to water and to aging. Their elasticity is retained over a broad temperature range. Orig. art. has: 3 figures and 4 tables.

ASSOCIATION: Yerevanskiy filial Nauchno-issledovatel'skogo instituta sinteticheskogo kauchuka (Yerevan Branch of the Scientific Research Institute of Synthetic Rubber)

SUBMITTED: 02Jun64

ENGL: 00

SUB CODE: OC, MT

NO REF SOV: 005

OTHER: 008

Card 2/2 *to*

L 38635-65 EWT(m)/EPF(c)/EPR/EWP(j)/EWP(v)/T Pc-4/Pr-4/Ps-4 RPL WW/RM

ACCESSION NR: AP5008375

S/0190/65/007/003/0497/0502

AUTHORS: Yeliseyeva, V. I.; Karapetyan, N. G.; Boshnyakov, I. S.; Margaryan, A. S.

TITLE: Chloroprene-acrylate copolymer latexes

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 3, 1965, 497-502

TOPIC TAGS: chloroprene, copolymer, latex, methacrylate, mechanical property

ABSTRACT: The possibility of obtaining latexes from emulsion copolymerization of chloroprene and acrylates was investigated. The principal purpose was to obtain high-quality films and adhesives from this material. It was found that the degree of elasticity could be varied appreciably by using different proportions of chloroprene and methyl methacrylate. Tables of the mechanical properties of various combinations are given. It was found from an examination of these properties with depth of polymerization that the latex is gradually enriched in methyl methacrylate during synthesis. The rigidity of the polymer with deep polymerization increases with the temperature of the second-order transition. The structure of the copolymer is characterized by an alternation of several chloro-

Card 1/2

L 62135-65

ACCESSION NR: AP5016943

varying degrees of elasticity. Electron-microscopic analysis showed that the latex is characterized by a relative monodispersity; its average particle size (770 A) is much less than that of ordinary methyl acrylate latexes (about 2000 A). A 64% saturation of the surface of latex particles by the emulsifier was found. The absorption of water by films of the copolymer latexes was also studied as a function of time, temperature of film formation, and content of methyl methacrylate. Orig. art. has: 4 figures, 1 formula and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, MT

NO REF SOV: 006

OTHER: 012

Card 2/2

L 62135-65 EWT(d)/EWT(m)/EWP(w)/EPF(c)/EPR/EWP(j)/T

Pc-4/Pr-4/Ps-4 RPL WW/EM/RM

ACCESSION NR: AP5016948

UR/0303/65/000/093/0015/0018
667.633.263.3

38

B

AUTHOR: Yeliseyeva, V.I.; Karapetyan, N.G.; Boshmyakov, I.E.; Margaryan, A.S.

TITLE: Emulsion copolymers of chloroprene with acrylates

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 3, 1965, 15-18

TOPIC TAGS: chloroprene, acrylic acid, methacrylic acid, latex film, methyl methacrylate, emulsion copolymer

ABSTRACT: The authors worked out a method for the preparation of colloiddally stable latexes based on copolymers of chloroprene with lower esters of acrylic and methacrylic acid. It was shown that latexes with the widest range of the elastic modulus of the polymer can be obtained by copolymerizing chloroprene with methyl methacrylate. The kinetics of this copolymerization were studied, the copolymerization constants of the monomers were determined, and the probable composition of the copolymer was calculated from these constants. It was found that the methyl methacrylate links of the macromolecules consist primarily of a single monomer unit, whereas the chloroprene links are made up of various quantities of monomeric units. By varying the initial ratio of chloroprene to methyl methacrylate, one can obtain latexes which yield films having

Card 1/2

L 06228-67

ACC NR: AP6029415

4 figures and 1 table.

SUB CODE: 07/ SUBM DATE: 13Dec65/ ORIG REF: 008/ OTH REF: 007

Card

2/2 *tdh*

L 06228-67 EWT(1)/EWP(e)/EWT(m) IJP(c) WH

ACC NR: AP6029415

SOURCE CODE: UR/0426/66/019/005/0325/0329

AUTHOR: Margaryan, A. A.; Yevstrop'yev, K. S.

ORG: Glass Technology Department, LTI im. Lensovet (Kafedra tekhnologii stekla LTI)

TITLE: Infrared spectra of fluoberyllate glasses containing small amounts of cerium-group rare earth fluorides

SOURCE: Armyanskiy khimicheskiy zhurnal, v. 19, no. 5, 1966, 325-329

TOPIC TAGS: fluoberyllate glass, rare earth compound, fluoride, IR spectrum, light transmission, *GLASS PROPERTY, FLUORIDE*

ABSTRACT: IR light transmission curves of fluoberyllate glasses of alkaline and alkali-free composition were studied in the 2000-4000 cm^{-1} range. In both cases, the presence of rare earth ions in the amount of 0.02 mole % appreciably affected the intensity of the absorption band at 3508-3535 cm^{-1} . No selective influence of various rare earth fluorides (PrF_3 , NdF_3 , LaF_3) on the light absorption in this range was observed when the fluorides were present in amounts from 0.05 to 1 mole %. PbF_2 and BiF_3 added in amounts of 0.05 and 0.1 mole % decreased the light transmission to 66-72% at 3508-3535 cm^{-1} . It had been shown earlier that the presence of 0.02 mole % of rare earth fluorides causes an increase in the effective ultraviolet transparency; this was also found to be true of the transparency in the infrared. Orig. art. has:

Card 1/2

UDC: 535.34+546.16+546.45

L 28155-66 EWP(a)/EWT(m)/EWP(t)/ETI IJP(c) JD/JW/JG/NH
ACC NR: AP6017922

SOURCE CODE: UR/0426/66/019/003/0167/0173

AUTHOR: Margaryan, A. A.; Medvedev, N. M. (Deceased)

ORG: LTI im. Lensovet, Department of Glass Technology (LTI, Kafedra tekhnologii stekla)

TITLE: Ultraviolet transmission of fluoroberyllium glasses with small additions of the cerium group-element fluorides

SOURCE: Armyanskiy khimicheskii zhurnal, v. 19, no. 3, 1966, 167-173

TOPIC TAGS: glass, optic glass, fluoroberyllium glass, glass property, rare earth fluoride

ABSTRACT: The authors continued their study of the effect of small rare earth fluoride additions on ultraviolet transmission of fluoroberyllium glass. The earlier reported [N. M. Medvedev, A. A. Margaryan, AN ArmSSR. Izv. KhN, 18, 437 (1965)] increase in ultraviolet transparency of fluoroberyllium glass owing to neodymium fluoride addition prompted extension of the study to the fluorides of other cerium-group elements as additions to identical fluoroberyllium glasses. Lanthanum praseodymium, or samarium fluoride additions in amounts of 0.02 and 0.05 mol.% to the alkali-free fluoroberyllium glass equally increased transparency of the original glass in the 220—300 mμ spectral range. Equal or even lower additions of cerium fluoride decreased transparency in the 220—280 mμ range but increased it in the spectral range above 290 mμ. This increase

Card 1/2

UDC: 535-31+546.16+546.45+546.655

L 28155-66

ACC NR: AP6017922

in ultraviolet transparency was explained in terms of oxidation by rare-earth ions of the undetermined black substance which is formed in the initial period of glass melting in a reducing (ammonia) atmosphere as well as in an inert (nitrogen) atmosphere. Simultaneously, the trivalent rare-earth ions are reduced to divalent state as was shown by the changes observed in the intensity of characteristic absorption peaks of Nd^{3+} and Sm^{3+} ions in the glasses melted for various periods of time. In addition to an increase in transparency of fluoroberyllium glass, the rare-earth ions contributed to an increase in radiation-resistance to x-rays of the glass, as was shown by the higher post-irradiation transparency of glass containing Sm^{3+} compared with the original alkali-free fluoroberyllium glass. Orig. art. has: 5 figures and 1 table. [JK]

SUB CODE: 11/ SUBM DATE: 28Jun65/ ORIG REF: 008/ ATD PRESS: 5006

Card

2/2 LC

L 10254-66

ACC NR: AP6000755

single crystals was reproduced in fluoroberyllium glass. Transmission was also greatly increased in gray glasses of both types containing NdF_3 , which were prepared by a short-time melting, but the increase was hardly noticeable in the NdF_3 -containing glasses melted in the air. The effect of NdF_3 addition was interpreted as the result of interaction of the black substance of the glass with neodymium fluoride. Orig. art. has: 4 figures and 1 table. [JK]

SUB CODE: 11, 20 / SUBM DATE: 03Mar65/ ORIG REF: 003/ ATD PRESS: 4168

CC
Card 2/2

L 10254-66 EWP(e)/EWT(m)/EWP(b) WH

ACC NR: AP6000755

SOURCE CODE: UR/0171/65/018/005/0437/0440

AUTHOR: Medvedev, N. M. (Deceased); Margaryan, A. A.

ORG: LTI im. Lensovet, Department of Glass Technology (LTI, Kafedra tekhnologii stekla)

TITLE: Ultraviolet transmission of fluoroberyllium glass with neodymium fluoride additive

SOURCE: *W* ArmSSR. Izvestiya. Seriya khimicheskikh nauk, v. 18, no. 5, 1965, 437-440

TOPIC TAGS: glass, optic glass, fluoroberyllium glass, neodymium glass, optic property, fluorite, single crystal, light transmission

ABSTRACT: The possibility has been explored of increasing light transmission of fluoroberyllium glasses in the 220—380 mμ spectral region by small additions of neodymium fluoride. This effect of the rare-earth element ions was observed earlier in fluorite single crystals and was interesting to reproduce in fluoroberyllium glasses because they present a promising material for optical components. Two types of glasses with additions of 0.02—0.1 mol% NdF₂ were synthesized in nitrogen or argon atmosphere. Composition of the glasses was (mol%): no. 1 - 35 BeF₂, 20 AlF₃, 20 CaF₂, 15 SrF₂, 10 MgF₂, and no. 2 - 49 BeF₂, 15 AlF₃, 12 CaF₂, and 24 KF. Both types of glass with NdF₃ additions showed a 5—10% increase in ultraviolet transmission after a prolonged melting, i.e., the earlier observed phenomenon in fluorite

Card 1/2

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